## IDAHO SUPREME POTATOES, INC. TIER II PTC APPLICATION

# Submitted to: Idaho Department of Environmental Quality 1410 NORTH HILTON BOISE, ID 83706

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DEPARTMENT OF ENVIRONMENTAL QUALITY STATE AG PRODUM

PREPARED BY:



April 2, 2007

### **Table of Contents**

1.0		ntroduction and Overview1-1
2.0	2.1 2.2	acility Classification 2-1 Facility Description 2-1 Facility Location 2-1
3.0	3.1 3.2 3 3.3 3.4 3.5	rocess Description         3-1           Potato Processing         3-1           Boiler Operation         3-2           .2.1 Fuel Consumption Flexibility for Boiler #4         3-2           Fluidized Bed Dryer         3-4           Equipment List         3-5           Process Flow Diagram         3-5
4.0		Permit Application Forms4-1
5.0	5.1 5.2 5.3	Applicable and Inapplicable IDAPA 58.01.01 Requirements 5-2 Applicable and Inapplicable Federal Air Quality Regulations – General 5-9 Applicable and Inapplicable New Source Performance Standards (40 CFR Part
	2.5	5-11
	5.4	Applicable and Inapplicable National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
	5.5 5.6 5.7 5.8	Applicable and Inapplicable National Emission Standards for Hazardous Air Pollutants for Source Categories (40 CFR Part 63)
6.0	F	Emission Calculations6-1
7.0	F	Ambient Air Impact Analysis7-1
8.0	F	Exempt Activities8-1
		List of Tables
		Boiler #4 Equivalent Fuel Consumption at Different Levels of Sulfur in Fuel for Demonstrating Compliance with NAAQS
Tab	le 5-1	Applicable and Inapplicable IDAPA 58.01.01 Requirements5-2
Tab	le 5-2	Applicable and Inapplicable 40 CFR Regulations
		Applicable and Non-Applicable New Source Performance Standards (40 CFR Part 60)
		Applicable and Inapplicable National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
		Applicable and Inapplicable National Emission Standards for Hazardous Air Pollutants for Source Categories (40 CFR Part 63)
Tab	le 5-6	Specific Applicable and Inapplicable Requirements

Table 7-1 Table 8-1	Maximum Predicted Impacts Exempt Activities		
	List of Figures		
Figure 2-1	Idaho Supreme Facility Location	2-2	
Figure 3-1	Potato Flake Processing	3-1	
Figure 3-2	Potato Slice Processing	5-2	
Figure 7-1	Maximum Annual Impact for 1 lb/hr Normalized Model TAP Source	7-3	
Figure 7-2	Maximum 24-hour Impact for 1 lb/hr Normalized Model TAP Source	7-4	

### 1.0 Introduction and Overview

Idaho Supreme Potatoes Inc. (Idaho Supreme) is submitting a Tier II PTC application to revise their current Tier II Operating Permit. Idaho Supreme is currently operating under Tier II Operating Permit (OP) # 011-00013, which expires June 7, 2007, and a Consent Order dated December 20, 2004. In the current Tier II OP Boiler #3 and Boiler #4 are permitted to burn residual fuel (#s 4, 5, or 6) with very low sulfur fuel (≤0.5% sulfur) and distillate fuel oil #2 along with the flexibility to burn natural gas and propane. However, the Consent Order allows Idaho Supreme to burn fuel with a sulfur content of 1.75% or less.

In addition to the currently permitted fuels, Idaho Supreme proposes to burn coal in the #4 Boiler and to employ a baghouse for post-combustion particulate control. Idaho Supreme also proposes to combust residual fuel oil with a maximum sulfur content of 1.69% by weight in Boiler #4. Distillate fuel oil with a maximum sulfur content of 0.5% by weight is also proposed to be combusted in Boiler #4.

The proposed throughput for coal in Boiler #4 is 5.4 tons/hr with an annual throughput of 47,286 tons with an average sulfur content in coal of 0.5%.

The proposed liquid fuel throughput for Boiler #4 is 650 gallons/hour, which is maximum capacity. Idaho Supreme is proposing an annual throughput limit of 1,868,750 gallons when burning fuel oil at 1.69% sulfur. However, for lower sulfur fuels, the annual throughput limitation (gal/yr) in Boiler #4 is proposed to be increased such that the SO<sub>2</sub> emission rate in ton/year is equivalent to the SO<sub>2</sub> emission rate at the reduced throughput and increased sulfur content. For Boiler #3, Idaho Supreme is limiting combustion to natural gas and propane. Idaho Supreme requests that natural gas and propane still be consumed at maximum emission unit capacities and throughputs for both Boiler #4 and Boiler #3.

Space heaters north, south, east and miscellaneous are emission sources that have hours of operation limited at 6,048 hr/yr. Idaho Supreme is maintaining their hours of operation status of 8,760 hours/year for the fluidized bed dryer. The dehydration lines (each of the 17) are permitted to operate 6,912 hours/year.

Idaho Supreme is requesting to remove New Source Performance Standards (NSPS) Subpart Db requirements prescribed of Boiler # 4 in OP # 011-00013. EPA has confirmed that NSPS is not applicable for coal burning in a letter dated December 19, 2006.

DEQ issued a Consent Order to Idaho Supreme to allow the operation of the boiler with the NSPS restrictions. Idaho Supreme is operating under the Consent Order issued December 16, 2004.

The following permits have been issued for Idaho Supreme:

- Tier II Operating Permit No. 011-00013, issued December 23, 1998.
- Tier II Operating Permit No. 011-00013, issued June 7, 2002.

### 2.0 Facility Classification

The Idaho Supreme Potatoes, Inc. facility is not a designated facility, as defined by IDAPA 58.01.01.006.27. The modifications in the current Tier II OP make Idaho Supreme a Title V major facility for  $SO_x$  because the potential to emit (PTE) is greater than 100 tons a year. The facility is not a Prevention of Significant Deterioration (PSD) facility as no criteria pollutant will have a net emissions increase of 250 ton/yr or greater. Included in section 5.7 is a PSD applicability analysis and netting calculations are included in section 5.8.

### 2.1 Facility Description

Idaho Supreme Potatoes Inc. is a potato processing company. Their process primarily involves potato dehydration to make potato flakes. This process includes dryers, flakers and silos, which are also sources of emissions. Description of the process is given in Section 3 below.

### 2.2 Facility Location

The Idaho Supreme facility is located in Bingham County, Firth, Idaho, Corner of Highway 91 and 800 Goshen, at Universal Transverse Mercator (UTM) Zone 12 coordinates of 404.8 km east, 4795.9 km north. The exact location in relation to the surrounding area is shown in Figure 2-1. Site plans are shown in the modeling report included in section 8.

Figure 2-1 Idaho Supreme Facility Location

### 3.0 Process Description

### 3.1 Potato Processing

Initially potatoes are received at the plant on trucks and are unloaded across pilers into temporary storage bins. They are taken from the bins for the process using cold water to transport and wash the potatoes. This removes silt and rocks from potatoes. The potatoes are conveyed to a tare removal table where rot, sticks and other debris are removed.

The potatoes enter a steam peeler, where they are exposed to steam for a brief period of time. This loosens the peeling prior to the washing stage. The steam is exhausted and quenched in a water bath. Excess steam may exhaust out the roof but most, if not all, of the steam is quenched by cool water and sent to land application. The peeling is fully removed by dry and wet scrubbing which is done by revolving brushes and can include water sprays. Waste products from this process are used for cattle feed.

The peeled potatoes travel across a trim table where workers cut off, remove and discard defective parts of the potato and peel that has not been removed. The potatoes are held in a surge bin and released at a metered rate for proper slicing. The product is then pumped to precookers or blanchers. The pre-cooker blanches the potatoes in hot water.

This operation gelatinizes the starch. Potatoes are then cooled to retrograde the starch gelatinization for better texture and taste. The potatoes are water transported into cookers where they are exposed to atmospheric steam to fully cook the potato. The potatoes are riced, forced through slots and broken into smaller pieces like mash, and added to the dehydration rolls.

The mashed/riced potatoes are spread across the face of the drum dryers with five applicator rolls. Only whole cells stick to the drum. The steam drum dryer rotates and drives the moisture from the potato cells. The main dehydrated moisture is removed from the drum dryer stack. Excess moisture is removed by a steam snifter fan, which keeps dehydrated moisture from rehydrating final product.

The dried potato sheet is cut off the drum and broken into smaller pieces. Good flake goes to mills where it is cut into desired particle size and density (as required by our customers) and air transported to product separation baghouses. The flake is then bagged, placed into large totes for storage and transport, reblended for texture and quality, or sent to silos for storage.

The slice line dehydrates potato slices into slices for instant foods, like Au Graten or Scallops. The process is identical up to the blanching/cooking stage. The slices are then blown down or up through to dehydrate the slices to a shelf stable product. The potato slices are piled thin in A stage, thicker in B stage and thickest in C stage. Slices are then sorted and shipped in bags or totes. Slices that are not dehydrated to shelf stable product can be finished or dried in the secondary dryer, or used as byproduct for dog food.

Potato flake is layered into the single unit fluidized bed dryer (FBD) that was installed in the existing facility. Potato flakes, with moisture content of approximately 7%, are metered from

onsite process and storage units into a mixing unit. In the same mixer, liquid additives are applied through pressure sprays at room temperature ahead of the dryer body.

The treated moist flake now has moisture content of approximately 30%. The flake is then metered into the FBD, where it passes through three compartments. The first two are heated, and the third compartment is a cooling stage. The resulting product is collected and repacked according to customer specifications. Two Maxon burners provide the required heat for final dehydration. These operate at a maximum rate of 3.5 million BTU per hour. Product drying rate sets the actual heat input demand.

### 3.2 Boiler Operation

Idaho Supreme proposes for Boiler #4 to combust coal with a maximum hourly throughput of 5.40 tons and an annual throughput of 47,286 tpy coal at 0.5% sulfur. Boiler #4 will operate a baghouse when burning coal to control post-combustion particulate emissions.

Boiler #4 is proposed to also operate on residual fuel (#s 4, 5 or 6), distillate fuel #2, natural gas or propane. Residual and distillate fuel is proposed to be burned with a maximum of 1.69% and 0.50% weight sulfur respectively. Boiler #4 has a maximum hourly fuel throughput of 650 gal/hr and an annual limitation of 1,868,750 gallons when burning fuel oil at 1.69% sulfur. Annual throughputs for fuel oil with reduced sulfur contents are listed in Table 3-1.

Boiler #4 has a rated heat input capacity of 140 million BTU/hr. The boiler has a low NOx burner (CSI NOx Mizer).

Boiler #3 is permitted to fire on natural gas and propane only. The rated heat input capacity of the boiler is 43 million BTU/hr if natural gas is used as the fuel. The boiler has a low NOx burner (CSI NOx Mizer).

### 3.2.1 Fuel Consumption Flexibility for Boiler #4

Idaho Supreme proposes to have the flexibility to burn coal with an average sulfur content  $\leq 0.5\%$  by weight as well as fuel oil with various sulfur content. This application shows that the boiler can burn coal at an hourly capacity of 5.4 ton/hr and fuel oil at the hourly capacity of 650 gal/hr and demonstrate compliance with the NAAQS and not trigger PSD requirements. For lower sulfur fuel oils, the annual maximum gal/yr in Boiler #4 is proposed to be increased such that the SO<sub>2</sub> emission rate in ton/year are equivalent to the SO<sub>2</sub> emission rate at the reduced throughput load. The equivalent fuel consumption with various levels of sulfur is shown in the table below:

Table 3-1 Boiler #4 Equivalent Fuel Consumption at Different Levels of Sulfur in Fuel for Demonstrating Compliance with NAAQS

		Coal		
Average % Sulfur in Fuel	Annual Hours, hr/yr	Hourly Fuel Throughput, lb/hr*	Annual Fuel Throughput, ton/yr	
0.50%	8,760	10,796	47,286	

	Resid	ual Oil # 6		
% Sulfur in Fuel	Annual Hours, hr/yr	Hourly Fuel Throughput, gal/hr*	Annual Fuel Throughput, gal/yr	
0.50%	8,760	650	5,694,000	
0.75%	6,480	650	4,212,314	
1.00%	4,860	650	3,159,236	
1.25%	3,888	650	2,527,389	
1.50%	3,240	650	2,106,157	
1.69%	2,875	650	1,868,750	

Residual Oil # 5							
% Sulfur in Fuel	Annual Hours, hr/yr	Hourly Fuel Throughput, gal/hr*	Annual Fuel Throughput, gal/yr				
0.50%	8,760	650	5,694,000				
0.75%	6,480	650	4,212,314				
1.00%	4,860	650	3,159,236				
1.25%	3,888	650	2,527,389				
1.50%	3,240	650	2,106,157				
1.69%	2,875	650	1,868,750				

	Resid	ual Oil # 4	
% Sulfur in Fuel	Annual Hours, hr/yr	Hourly Fuel Throughput, gal/hr*	Annual Fuel Throughput, gal/yr
0.50%	8,760	650	5,694,000
0.75%	6,783	650	4,408,889
1.00%	5,087	650	3,306,667
1.25%	4,070	650	2,645,333
1.50%	3,391	650	2,204,444
1.69%	2,907	650	1,889,550

% Sulfur in Fuel	Annual Hours, hr/yr	late Oil # 2 Hourly Fuel Throughput, gal/hr*	Annual Fuel Throughput, gal/y	
0.50%	8,760	650	5,694,000	

An initial ambient impact analysis was performed for the facility wide permit application submitted February 25, 2005 (now withdrawn and replaced by this application). The February 2005 modeling report showed compliance at 1.69% sulfur at 650 gal/hr and 1,868,750 gal/yr. The modeling addendum submitted in this application shows compliance with coal combustion at 5.4 ton/hr and 47,286 tpy. Therefore Idaho Supreme will demonstrate compliance for all fuel throughput values shown in Table 3-1.

Idaho Supreme proposes to demonstrate compliance with the annual emission limits in this application by keeping track of monthly fuel consumption and sulfur content, and applying these to AP-42 emission factors used in this application. The proposed permit conditions are discussed in Section 10.0 of this application.

### 3.3 Fluidized Bed Dryer

This process line received an exemption from DEQ in early calendar year 2001 for 3,000 hours/year operation, but is now permitted for 8,760 hours/year of operation. This is a single unit fluidized bed dryer (FBD). Two Maxon burners provide the required heat for final dehydration. Each of these burners will operate at a maximum rate of 3.5 million BTU per hour.

The maximum input to the process is 2,000 lb/hr. This amounts to approximately 1,300 pounds of potato flake and 700 pounds of additives (additives are approximately 70% water by weight).

<sup>&</sup>lt;sup>1</sup> At the time of modeling, the sulfur content during source testing was not known, so the maximum allowable sulfur content of 1.75% was used to demonstrate compliance.

### 3.4 Equipment List

The equipment list is:

- 1. Boiler #4
- 2. Boiler #3
- 3. BD21X3 fluidized bed dryer
  - Two Maxon 435 Oven Pak II natural gas, or propane, burners (each of the two burners is rated at 3.5 million BTU per hour)
- Mixer vessel
- 5. Miscellaneous tanks and pumps for liquid ingredients
- 6. Enclosed conveyors for product transportation
- 7. Bulk bagging station for product collection
- 8. Tanks
  - One portable 16,000 gallon tank, also known as a day tank, with a heated line and a specialized pump.
  - Two tanks with a capacity of 30,000 gallons are installed for fuel oil storage.
- 9. Silos
- 10. Flakers
- 11. Dryers A, B and C
- 12. Secondary Dryer
- 13. Space Heaters

### 3.5 Process Flow Diagram

Process flow diagrams are shown in Figures 3-1 to 3-2:

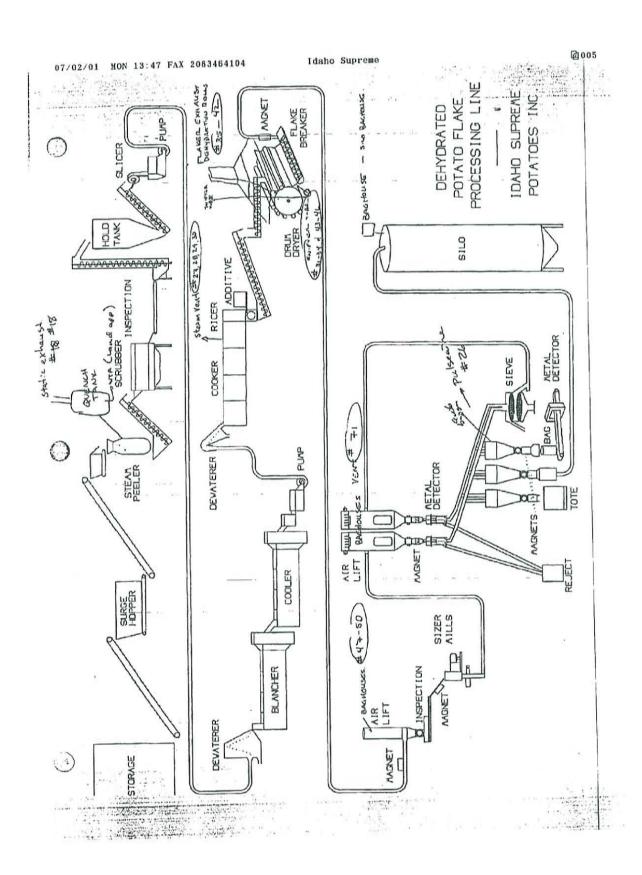


Figure 3-1 Potato Flake Processing

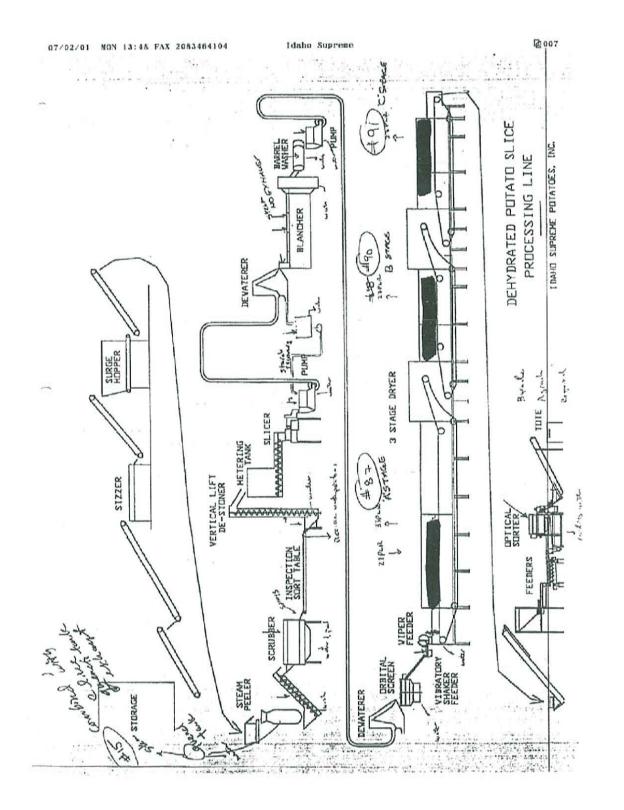


Figure 3-2 Potato Slice Processing

### 4.0 Permit Application Forms

Permit to construct forms are being submitted with this application for equipment requested to be modified.



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Please see instructions on page 2 before filling out the form.

CO	MPANY	Y NAME, FACILITY NAME, AND FACILITY NUMBER	ID			
1. Company	y Name	Idaho Supreme Potatoes, Inc.				
2. Facility	Name	Firth Facility 3. Facility ID No. 011-0	0013			
4. Brief Pro	oject Descrip ice or less					
Mod Mod	ify Existing S	PERMIT APPLICATION TYPE  New Source at Existing Facility Source: Permit No.: 011-00013 Orcement Action: Case No.:	urce			
6. Mino	or PTC	Major PTC				
Included	N/A	FORMS INCLUDED Forms	DEQ Verify			
$\boxtimes$		Form GI – Facility Information				
	$\boxtimes$	Form EU0 – Emissions Units General				
		Form EU1 - Industrial Engine Information Please Specify number of forms attached:				
		Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached:				
	$\boxtimes$	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached:				
	$\boxtimes$	Form EU4 - Cooling Tower Information Please Specify number of forms attached:				
$\boxtimes$		Form EU5 – Boiler Information Please Specify number of forms attached: 2				
	$\boxtimes$	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached:				
	$\boxtimes$	Form CBP - Concrete Batch Plant Please Specify number of forms attached:				
		Form BCE - Baghouses Control Equipment				
	$\boxtimes$	Form SCE - Scrubbers Control Equipment				
$\boxtimes$		Forms EI-CP1 - EI-CP4 - Emissions Inventory- criteria pollutants (Excel workbook, all 4 worksheets)				
$\boxtimes$		PP – Plot Plan				
$\boxtimes$		Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)				
$\boxtimes$		Form FRA – Federal Regulation Applicability				

DEQ USE ONLY  Date Received	
APR - 3 2007	
Project Number	
Payment / Fees Included? Yes No  Charle Number	
Check Number	



# General Information Form GI



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	formation is missing, the application will not be processed.  IDENTIFICATION
ompany Name	daho Supreme Potatoes, Inc.
	Firth Facility
	011-00013
rief Project Description:	Tier II PTC application to modify boiler operations
SOUR PORTS OF BRIDE	FACILITY INFORMATION
owned/operated by: (√if applicable)	Federal government County government RECEIVED  State government City government
rimary Facility Permit Contact Person/Title	Wade Chapman- General Manager APC - 3 2807
elephone Number and Email Address	208.346.6841 wade@idahosupreme.com
Alternate Facility Contact Person/Title	Steven Boodry- Plant Engineer
	208.346.6826 sboodry@idahosupreme.com
Address to which permit should be sent	PO Box 246
City/State/Zip	Firth, ID 83236
Equipment Location Address (if different than #9)	
City/State/Zip	
Is the Equipment Portable?	Yes No Secondary SIC (if any): NAICS: 311423
SIC Code(s) and NAISC Code	Primary SIC: 2034 Secondary SIC (if any): NAICS: 311423
Brief Business Description and Principal Product	Dehydrated Potato Processing Plant
Identify any adjacent or contiguous facility that this	
company owns and/or operates	PERMIT APPLICATION TYPE
Specify Reason for Application	<ul> <li>New Facility</li> <li>Modify Existing Source: Permit No.:011-00013</li> <li>Unpermitted Existing Source:</li> <li>Required by Enforcement Action: Case No.:</li> </ul>
	CERTIFICATION  CERTIFY BASED ON INFORMATION AND BELIEF FOR
IN ACCORDANCE WITH IDAPA 58.01.01.123 (	RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FOR Y, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.
Responsible Official's Name/Title	Wade Chapman- General Manager  Date: 5 - 30 - 200
3. RESPONSIBLE OFFICIAL SIGNAT	Date: ( - ) 0 - 0 0 0



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		IDI	ENTIFICATION	The same	Sel - min	
Company Name:		Facility Name:			Facility ID No:	
Idaho Supreme Potatoes Inc.		Firth Facility			011-00013	
Brief Project Description:		Tier II PTO	C ap <mark>plication to modi</mark>	fy boiler oper	ations	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EXEMPTION			
Please see IDAPA 58.01.01.2	ACTION ACTION AND ACTION AND ACTION AND ACTION ACTION ACTION AND ACTION				SIMONE SOUTH OF	nstruct requirements.
	CHAPTER MINISTER STATE	Sale vie Steelenham A ter	DESCRIPTION AND	SAN DENSEMBLINES OF	SOUTH TOWNS IN THE SECOND	
1. Type of Request  New L						
2. Use of Boiler: 100 %		ess	6 Used For Space He	eat 🗌 % L	Jsed For Ge	enerating Electricity
3. Boiler ID Number: Boiler	#4 4. R	ated Capa	city: 🛛 140 Million			r Hour (MMBtu/hr) ur (1,000 lb steam/hr)
5. Construction Date: 1983	6. N	lanufacture	er: Bigelow	7. Model:	Coen 20	0 Series FYR W
8. Date of Modification (if appl May 2007	licable): 9. S	and Ba		and Bagh	Control Device (if any):Low NOx burner Baghouse : Attach applicable control equipment	
STATE OF STREET	FUEL	DESCRIPT	TION AND SPECIFIC	CATIONS		
11. Fuel Type	□ Diesel Fu	el (# 2 )	Natural Gas	⊠ Co	oal	Residual Oil (#4-6)
35.8	(gal/hr	7)	(cf/hr)	(unit:	lb /hr)	(unit: gal /hr)
12. Full Load Consumption Rate	650		136,319	10	,796	650
13. Actual Consumption Rate	650		136,319	10	796,	650
14. Fuel Heat Content (Btu/unit, LHV)	91,500	0	1,027	12	2,968	150,000
15. Sulfur Content wt%	0.5		0.003		0.5	0.5 - 1.69
16. Ash Content wt%	0.01		N/A	9	9.43	0.05
	STEAM	DESCRIP	TION AND SPECIFI	CATIONS	200	
17. Steam Heat Content	NA		NA		0 Btu/lb	NA
18. Steam Temperature (°F)	N/A		N/A		370	NA
19. Steam Pressure (psi)	N/A		N/A		180	NA
20. Steam Type	N/A		N/A		aturated perheated	Saturated Superheated
SAFETH AND MINE	О	PERATING	G LIMITS & SCHED	ULE	A Read	
21. Imposed Operating Limits 47,286 ton/yr Res Fuel Oil- up			el/year, etc.): Diesel-	-5.69 MMgal/	yr Nat Gas	-981 MMscf/yr Coal-
22. Operating Schedule (hour Oil- 2,777 to 8,760 hr/yr	s/day, months/y	year, etc.):	Diesel-8,760 hr/yr N	lat Gas-8,760	hr/yr Coa	- 8,760 hr/yr Res Fuel



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The scale by dividing to		IDE	ENTIFICATION	CAND ES		
Company Name:		Facility Na	Facility Name:		Facility ID No:	
Idaho Supreme Potatoes Inc.	Firth Facil	Firth Facility				
Brief Project Description:		Tier II PTO	application to modify	boiler oper	ations	
AND THE PARTY OF THE	LIPP WATER		EXEMPTION		BURES.	
Please see IDAPA 58.01.01.2	22 for a list	of industrial	boilers that are exen	npt from P	ermit to Con	struct requirements.
Barrier B	oiler (EMIS	SION UNIT) [	ESCRIPTION AND S	PECIFICA	TIONS	KILL STATE
1. Type of Request New L	Jnit 🔲 Unj	permitted Exis	ting Unit 🛛 Modificat	tion to a uni	t with Permit	#:011-00013
2. Use of Boiler: \( \sum 100 \% \)		rocess 🗌 %	Used For Space Heat	t □%∪	sed For Gen	erating Electricity
3. Boiler ID Number: Boiler	#3 4	I. Rated Capa	city: 🛛 43 Million Bri			lour (MMBtu/hr) r (1,000 lb steam/hr)
5. Construction Date: July 1	1977	3. Manufacture	er: Cleaver Brooks	7. Model:	WT200X-	BR3
8. Date of Modification (if appl May 2007				rol Device (if any):Low NOx burner ach applicable control equipment		
A STATE OF THE PARTY OF THE PAR	FUI	EL DESCRIP	TION AND SPECIFICA	ATIONS		
11. Fuel Type	Diesel	Fuel (# )	Natural Gas	☐ Co	oal	
DE LOS DE SERVICIOS DE PROPERTIES	(ga	al/hr)	(cf/hr)	(unit:	/hr)	(unit: gal /hr)
12. Full Load Consumption Rate			42,745			320
13. Actual Consumption Rate		- 1	42,745			320
14. Fuel Heat Content (Btu/unit, LHV)			1,027			2,524
15. Sulfur Content wt%			0.003			1.1E-05
16. Ash Content wt%			N/A			N/A
AND A DESCRIPTION AND ASSESSMENT	STE	AM DESCRIP	TION AND SPECIFIC	ATIONS	ALCOHOLD !	A STATE OF THE STA
17. Steam Heat Content		NA NA	NA			NA
18. Steam Temperature (°F)	N	I/A	N/A			N/A
19. Steam Pressure (psi)	N	I/A	N/A			N/A
20. Steam Type		I/A	N/A	Su	aturated perheated	☐ Saturated☐ Superheated
	A SHEET	OPERATIN	G LIMITS & SCHEDU	LE	Rational	
21. Imposed Operating Limits						
22. Operating Schedule (hour	s/day, mont	hs/year, etc.):	24 hr/day 7 days/wk	52 wk/yr		

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100 miles	8			11.	Air to Cloth	2.59:1	1				
	011-00013			10.	No. of Bags	714					
おいません	Facility ID #:		BAGS	6	Size (Dia x Ht)	4.5in x 12ft					
THE REAL PROPERTY.	Fac			∞i	Туре	Rayton Felt					
現 は は は は は は は は は は は は は は は は は は は				7.	Type	Or Equivalent					
IDENTIFICATION	Firth Facility	rations	BAGHOUSE	.9	Baghouse Model No.	7141J(6)-12-17 TRH					
大学を	Facility Name:	Tier II PTC application to modify boiler operations		5.	Baghouse Manufacturer	MikroPul					
	toes, Inc.	applicatio		4.	Stack ID No.	B4					
	eme Pota	er II PTC	NC	<sub>ب</sub>	CE ID	В4ВН					
	Idaho Supreme Potatoes, Inc.	Ē	IDENTIFICATION	2.	EU ID No.	B4					
THE REAL PROPERTY.	Company Name:	Brief Project Description:	IDEN	+	Emission Unit	Boiler #4					

Facility-wide emission Inventory - Criteria Pollutants - Point Sources Form EI-CP1 Facility-wide emission Inventory - Criteria Pollutants - Point Sources Form EI-CP1

oany Name: cility Name: Description: Ints			Boise, ID 83706 For assistance: (208) 373-0502						Id.	ERMIT TO	CONSTRU	PERMIT TO CONSTRUCT APPLICATION
Facility Name: Facility ID No.: Brief Project Description: 1. Emissions units Bed Dryer	Idaho Supreme Potatoes, Inc.	otatoes, Inc.										
Brief Project Description:  1. Emissions units Bed Dryer						1	Firth Facility					
Brief Project Description:  1. Emissions units Bed Dryer							011-00013					
1. Emissions units B Bed Dryer F	er II PTC applic	sation to modif	Tier II PTC application to modify boiler operations	ons								
1. Emissions units  Bed Dryer Fig. 1. Bed Dryer	SIIMM	ARY OF EA	SIIMMARY OF FACILITY WID	OISSIME	RATES FO	OR CRITER	E EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES	ANTS - POI	VT SOURCE	S	100	THE PERSON NAMED IN
1. Emissions units Bed Dryer F			COLOR OF WILL				3.					
Emissions units  Bed Dryer  Fig. 18	2	PM10	-	so,	,	NOX	×	8	-	VOC	0	Lead
Bed Dryer	Stack ID	lb/hr	T/yr	lb/hr		lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr T/yr
Bed Dryer					Point Source(s)	rce(s)						
	4	13.16	32.74	172.46	413.76	30.55	133.81	11.45	50.15	0.75	3.28	
	3	0.32	1.42	0.03	0.11	6.08	26.63	3.59	15.73	0.24	1.00	
	FBD	0.71	3.11	0.00	0.02	1.10	4.82	0.57	2.50	0.04	0.18	
National Dryer Stage A N	Nat Dry A	90.0	0.26	0.01	0.02	0.78	3.42	0.65	2.85	0.04	0.19	
National Dryer Stage B	Nat Dry B	0.02	0.11	0.00	0.01	0.31	1.36	0.26	1.14	0.02	0.07	
National Dryer Stage C	Nat Dry C	0.02	0.11	00:00	0.01	0.31	1.36	0.26	1.14	0.02	0.07	
Secondary Dryer (1st vent)	Sec. Dry 1	00.00	0.17	00.00	0.00	0.03	0.12	0.02	0.10	00.00	0.01	
Secondary Dryer (2nd vent)	Sec. Dry 2	00.0	0.17	00:00	0.00	0.03	0.12	0.02	0.10	0.00	0.01	
Silo Storage A	Silo A	90.0	0.28									
	Silo B	90.0	0.28									
1000	Silo C	90.0	0.28									
Silo Storage D	Silo D	90.0	0.28									
Storage Silo E	Silo E	90.0	0.28									
Storage Silo F	Silo F	90.0	0.28									
Storage Silo G	Silo G	90.0	0.28		1							
Silo Storage H	Silo H	90.0	0.28									
Storage Silo I	Silo I	90'0	0.28									
Silo Storage J	Silo J	90.0	0.28									
Process National Dryer Stage A	P Nat Dry A	0.38	1.29									
Process National Dryer Stage B	P Nat Dry B	0.38	1.29									
Process National Dryer Stage C	P Nat Dry C	0.38	1.29									
Total		16.07	44.78	172.50	413.93	39.19	171.63	16.82	73.71	1.11	4.81	

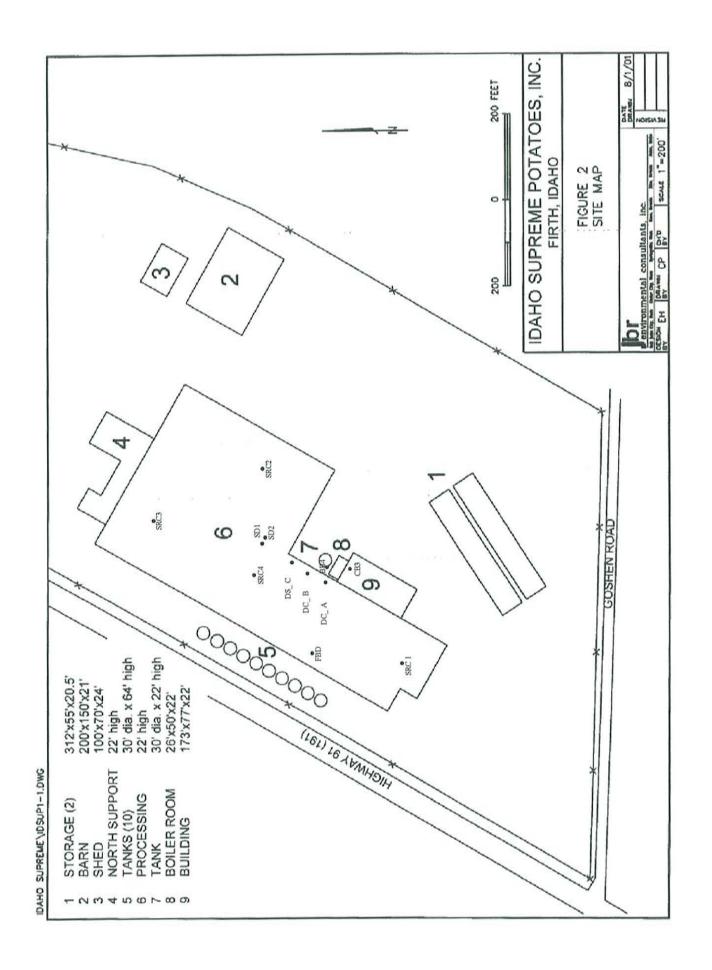
Facility-wide emission Inventory - Criteria Pollutants - Point Sources Form EI-CP1

Facility-wide emission Inventory - Criteria Pollutants - Point Sources Form EI-CP1

Company Name   Comp					
Poise, ID 83706   For assistance; (208) 373-0602					
Italy Name:				PERMIT TO COI	PERMIT TO CONSTRUCT APPLICATION
The first of the					
Stack   D		Firth Facility			
Summary OF FACILITY WID		011-00013			
Stack ID   Ib/hr   T/yr	NS Su				
Stack ID   Ib/hr   T/yr	EMISSION RATES FOR	CRITERIA POLLUT	ANTS - POINT SOU	RCES	The state of the s
Stack ID         Ib/Inr         Ib/In	E IIII COLONIA I CALLED I CAL	3.			
Stack ID         Ib/Inr         T/yr         Ib/Inr           Flake 1         0.38         1.29           Flake 2         0.38         1.29           Flake 3         0.38         1.29           Flake 6         0.38         1.29           Flake 6         0.38         1.29           Flake 7         0.38         1.29           Flake 9         0.38         1.29           Flake 10         0.38         1.29           It)         Sec Dry 1         0.38         1.29           It)         Sec Dry 2         0.38         1.29           It)         Sec Dry 2         0.38         1.29           Space N         0.06         0.18         0.00           Space N         0.06         0.18         0.00           Space N         0.06         0.08         0.00           Space N         0.00         0.00         0.00           Space N         0.00         0.00         0.00<	SO <sub>2</sub>	NOx	00	Noc	Lead
Flake 1	Н	lb/hr T/yr	Ib/hr T/yr	Ib/hr T	T/yr   lb/hr   T/yr
Flake 1	Point Source(s)	(s)a:			THE RESERVE THE PERSON NAMED IN
Flake 1					
Flake 2         0.38         1.29           Flake 3         0.38         1.29           Flake 4         0.38         1.29           Flake 5         0.38         1.29           Flake 6         0.38         1.29           Flake 7         0.38         1.29           Flake 9         0.38         1.29           Plake 10         0.38         1.29           Plake 11         0.38         1.29           Plake 12         0.38         1.29           Plake 12         0.38         1.29           Py Dryer (1st vent)         Sec Dry 1         0.38         1.29           Pater South         Sec Dry 2         0.38         1.29           Pater South         Space S         0.06         0.18         0.00           Pater South         Space S         0.06         0.18         0.00           Pater South         Space S         0.06         0.18         0.00           Pater South         Space S         0.06         0.18         0.01           Peous Space Heater         Space Misc.         0.02         0.06         0.00           Pater Space Heater         Tanks         0.00         0.00					
Flake 3         0.38         1.29           Flake 4         0.38         1.29           Flake 5         0.38         1.29           Flake 6         0.38         1.29           Flake 7         0.38         1.29           Flake 8         0.38         1.29           1         Flake 10         0.38         1.29           2         Flake 10         0.38         1.29           3         Flake 11         0.38         1.29           4         Dyber (1st vent)         Sec Dry 1         0.38         1.29           9         Prover (1st vent)         Sec Dry 2         0.38         1.29           9         Prover (1st vent)         Sec Dry 2         0.38         1.29           9         Space South         Sec Dry 2         0.38         1.29           9         Space South         Space South         0.06         0.18         0.00           1         Space South         0.06         0.18         0.00         0.00           1         Space Misc.         0.01         0.06         0.00         0.00           1         Ianks         Ianks         0.00         0.06         0.00  <					
Flake 4         0.38         1.29           Flake 5         0.38         1.29           Flake 6         0.38         1.29           Flake 7         0.38         1.29           Flake 8         0.38         1.29           0         Flake 10         0.38         1.29           1         Flake 10         0.38         1.29           2         Flake 11         0.38         1.29           y Dryer (1st vent)         Sec Dry 1         0.38         1.29           y Dryer (2nd vent)         Sec Dry 2         0.38         1.29           sater South         Sec Dry 2         0.38         1.29           sater South         Space S         0.06         0.18         0.00           sater South         Space S         0.06         0.18         0.00           sater South         Space N         0.06         0.08         0.00           sater South         Space N         0.06         0.00         0.00           sater South         Space N         0.06         0.00         0.00           sater Fast         Space Misc.         0.06         0.00         0.00           sanks         Tanks         0.00<					
Flake 5         0.38         1.29           Flake 6         0.38         1.29           Flake 8         0.38         1.29           Flake 9         0.38         1.29           0         Flake 10         0.38         1.29           1         Flake 11         0.38         1.29           2         Flake 12         0.38         1.29           y Dryer (1st vent)         Sec Dry 1         0.38         1.29           y Dryer (1st vent)         Sec Dry 2         0.38         1.29           y Dryer (1st vent)         Sec Dry 2         0.38         1.29           sater South         Space S         0.06         0.18         0.00           sater South         Space N         0.06         0.18         0.00           sater East         Space Nisc.         0.05         0.06         0.00           eous Space Heater         Space Misc.         0.02         0.06         0.00           fanks         Tanks         1         0.00         0.00         0.00					
Flake 6         0.38         1.29           Flake 7         0.38         1.29           Flake 9         0.38         1.29           0         Flake 10         0.38         1.29           1         Flake 10         0.38         1.29           2         Flake 11         0.38         1.29           3         Flake 12         0.38         1.29           4         Proper (1st vent)         Sec Dry 1         0.38         1.29           5         Proper (2nd vent)         Sec Dry 1         0.38         1.29           6         Proper (2nd vent)         Sec Dry 2         0.38         1.29           6         Proper (2nd vent)         Sec Dry 2         0.38         1.29           6         Space S         0.06         0.18         0.00           6         Space Nr         0.06         0.18         0.00           6         Space Misc.         0.06         0.06         0.00           6         Franks         Tanks         1         1         1					
Flake 8         0.38         1.29           Flake 8         0.38         1.29           D         Flake 10         0.38         1.29           1         Flake 10         0.38         1.29           1         Flake 11         0.38         1.29           2         Flake 12         0.38         1.29           3         Flake 12         0.38         1.29           4         Dryer (1st vent)         Sec Dry 1         0.38         1.29           9         Dryer (2nd vent)         Sec Dry 2         0.38         1.29           9         Dryer (2nd vent)         Sec Dry 2         0.38         1.29           9         Dryer (2nd vent)         Sec Dry 2         0.38         1.29           9         Dryer (2nd vent)         Space S         0.06         0.18         0.00           10         Space S         0.06         0.18         0.00         0.00           10         Space Misc.         0.05         0.00         0.00           10         Tanks         1.29         0.00         0.00					
Flake 8         0.38         1.29           D         Flake 9         0.38         1.29           1         Flake 10         0.38         1.29           2         Flake 11         0.38         1.29           y Dryer (1st vent)         Sec Dry 1         0.38         1.29           y Dryer (1st vent)         Sec Dry 1         0.38         1.29           y Dryer (1st vent)         Sec Dry 2         0.38         1.29           y Dryer (1st vent)         Sec Dry 2         0.38         1.29           y Dryer (2nd vent)         Sec Dry 2         0.38         1.29           atter South         Space S         0.06         0.18         0.00           atter North         Space N         0.06         0.18         0.00           eous Space Heater         Space Misc.         0.02         0.06         0.00           anks         Tanks         Tanks         0.00         0.00         0.00					
D         Flake 9         0.38         1.29           1         Flake 10         0.38         1.29           1         Flake 11         0.38         1.29           2         Flake 12         0.38         1.29           y Dryer (1st vent)         Sec Dry 1         0.38         1.29           y Dryer (2nd vent)         Sec Dry 2         0.38         1.29           y Dryer (2nd vent)         Space S         0.06         0.18         0.00           atter South         Space S         0.06         0.18         0.00           atter North         Space N         0.06         0.18         0.01           eous Space Heater         Space Misc.         0.02         0.06         0.00           anks         Tanks         Tanks         0.00         0.00					
Flake 10     0.38     1.29       Flake 11     0.38     1.29       Flake 12     0.38     1.29       Sec Dry 1     0.38     1.29       Space S     0.06     0.18     0.00       Space N     0.06     0.18     0.00       Space B     0.01     0.01     0.00       er     Space Misc.     0.02     0.06     0.00       Tanks     Tanks     0.00     0.00					
Flake 11     0.38     1.29       Flake 12     0.38     1.29       Sec Dry 1     0.38     1.29       Space Sc Dry 2     0.38     1.29       Space N     0.06     0.18     0.00       Space N     0.06     0.18     0.00       er     Space Misc.     0.01     0.00     0.01       Tanks     Tanks     0.02     0.06     0.00					
Flake 12     0.38     1.29       Sec Dry 1     0.38     1.29       Sec Dry 2     0.38     1.29       Space S     0.06     0.18     0.00       Space N     0.06     0.18     0.00       Space N     0.06     0.18     0.00       F     Space Misc.     0.01     0.01       F     Space Misc.     0.00     0.00       Tanks     Tanks     0.00     0.00					
Sec Dry 1     0.38     1.29       Sec Dry 2     0.38     1.29       Space S     0.06     0.18     0.00       Space N     0.06     0.18     0.00       er     Space Misc.     0.01     0.01       Tanks     1.29     0.00     0.00					
Sec Dry 2         0.38         1.29           Space S         0.06         0.18         0.00           Space N         0.06         0.18         0.00           Space E         0.11         0.34         0.01           sr         Space Misc.         0.02         0.06         0.00           Tanks         Tanks         0.00         0.00         0.00					
Space S         0.06         0.18         0.00           Space N         0.06         0.18         0.00           Space E         0.11         0.34         0.01           Heater         Space Misc.         0.02         0.06         0.00           Tanks         Tanks         0.00         0.00         0.00				1	
A Space N 0.06 0.18 0.00 0.00 Space N 0.01 0.34 0.01 0.01 0.02 0.06 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.02	0.80 2.43	0.67	2.00 0.04	0.12
ce Heater Space E 0.11 0.34 0.01 Tanks 0.02 0.06 0.00	0.00 0.02	0.80 2.43		2.00 0.04	0.12
Space Heater         Space Misc.         0.02         0.06         0.00           Tanks         Tanks         1         1         1	0.01 0.03	1.50 4.53	1.30	3.80 0.01	0.24
	0.00 00.00	0.20 0.60	0.17 0.	.51 0.01	0.03
					90.0
<b>Total</b> 5.50 18.82 0.02	0.02 0.06	3.30 10.00	2.81	8.31 0.10	0.57

Facility-wide emission Inventory - Criteria Pollutants - Fugitive Sources Form EI-CP2

			aning mine	demin's stranger and deman			
	DEQ AIR QUALITY PROGRAM	LY PROGRAM					
0	1410 N. Hilton Boise, ID 83706 For assistance: (208) 373-0502	(208) 373-0502			Д.	ERMIT TO CONSTR	PERMIT TO CONSTRUCT APPLICATION
Company Name:	Idaho Supreme Potatoes, Inc.	otatoes, Inc.					
Facility Name				Firth Facility			
Facility ID No.:				011-00013			
Brief Project Description:	Tier II PTC applic	Tier II PTC application to modify boiler operations	ions				
	MILIS	ARY OF FACILITY WII	DE EMISSION RATES	SHIMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - FUGITIVE SOURCES	ANTS - FUGITIVE SOUR	CES	
					3.		
	2.	PM <sub>10</sub>	802	NOx	00	VOC	Lead
Fugitive Source Name	Fugitive ID	Ib/hr T/yr	lb/hr T/yr		Ib/hr T/yr	Ib/hr T/yr	lb/hr T/yr
NAME OF STREET OF STREET			Fugitive	Fugitive Source(s)		THE RESERVE TO SERVE	
Paved Roads	Roads	2.50					
(insert more rows as needed)	1)						
Total		2.50	0				



	DEQ AIR QUALI 1410 N. Hilton Boise, ID 83706 For assistance:	DEQ AIR QUALITY PROGRAM 1410 N. Hilton Boise, ID 83706 For assistance: (208) 373-0502	٦ 2		PERM	PERMIT TO CONSTRUCT APPLICATION	IRUCT APPI	ICATION
Company Name:	Idaho Suprem	Idaho Supreme Potatoes, Inc.						
Facility Name:				Firth	Firth Facility			
Facility ID No.:				011	011-00013			
Brief Project Description:	Tier II PTC ap	Tier II PTC application to modify boiler operations	fy boiler operation	suc				
	SHMM	SI IMMARY OF AIR IM	PACT ANALYS	PACT ANALYSIS RESULTS - CRITERIA POLLUTANTS	CRITERIA POL	LUTANTS	The Party State	
	CONTINUE				•	,		4
		1.		2.	3.	4.		·
Criteria Pollutants	Averaging Period	Significant Impact Analysis Results	Significant Contribution Level (µg/m3)	Full Impact Analysis Results (µg/m3)	Background Concentration (µg/m3)	Total Ambient Impact (µg/m3)	NAAQS (µg/m3)	Percent of NAAQS
	24-hour	5 32	2	68.20	73.00	141.20	150	94%
PM <sub>10</sub>	Annual	0.65	-				50	%0
	3-hr		25	425.00	34.00	459.00	1300	35%
C	24-hr		5	104.00	26.00	130.00	365	36%
,,	Annual		1	15.80	8.00	23.80	80	30%
CZ	Annual	0.00	1				100	%0
7	1-hr	000	2000				10000	%0
00	8-hr	0.00	200				40000	%0
	====	20:0						

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton Boise, ID 83706 For assistance: (208) 373-0502	LITY PROGRA 6 :: (208) 373-056	M 32				PERM	IIT TO CO!	ISTRUCT	PERMIT TO CONSTRUCT APPLICATION
Company Name:	Idaho Supreme Potatoes, Inc	Potatoes, Inc.								
Facility Name:	Firth Facility									
Facility ID No.:	011-00013									
Brief Project Description:	Tier II PTC application to modify boiler operations	lication to mod	ify boiler opera	tions						
					2000000	TEDE	The state of the state of			S. Control of the second
である 大きな というないのかい		No. of Street, or other Persons in con-	POINT SOU	SOURCE STACK PARAMETERS	PARAME	IERS				70
1.	2.	3a.	3b.	4.	5.	. 6	7.		6.	10.
	Stack ID	UTM Easting (m)	UTM Northing (m)	Base Elevation (m)	Stack Height (m)	Modeled Diameter (m)	Stack Exit Temperature (K)	Stack Exit Flowrate (acfm)	Stack Exit Velocity (m/s)	Stack orientation (e.g., horizontal, rain cap)
Emissions units							The state of the s			The state of
Point Source(s)				1 .	00.07	0 0	162 60	32 000 00	23.22	^
Boiler #4	BB4	See	See electronic modeling files	salling files	12.23	16.0	463.00	4 200 00	10.02	Λ
Boiler #3	CB3	See	See electronic modeling files	odeling files	10.36	0.88	268.8U	1,300.00	00.01	> ;
Fluidized Bed Dryer	FBD	See	See electronic modeling files	odeling files	8.60	1.04	321.00	26,000.00	14.40	> 7
National Dryer Stage A	DS A	See	See electronic modeling files	odeling files	8.00	0.70	366.30	8,500.00	10.42	>
National Dryer Stage B	DS_B	See	See electronic modeling files	odeling files	8.00	0.70	366.30	7,500.00	9.20	> :
National Dryer Stage C	DS C	See	See electronic modeling files	odeling files	8.00	0.70	366.30	7,500.00	9.20	>
Secondary Dryer (1st vent)	SD1	See	electronic m	See electronic modeling files	7.68	0.76	293.15	7,000.00	7.28	>
Secondary Dryer (2nd vent)	SD2	See	electronic m	See electronic modeling files	7.68	0.76	293.15	7,000.00	7.28	>
Silo Storage A	Silo A	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Storage Silo B	Silo B	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Storage Silo C	Silo C	See ele	electronic m	ctronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Silo Storage D	Silo D	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Storage Silo E	Silo E	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Storade Silo F	Silo F	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Storage Silo G	Silo G	See elec	electronic m	ctronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Silo Storage H	Silo H	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Storage Silo I	Silo I	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Silo Storage J	Silo J	See	electronic m	See electronic modeling files	22.43	0.24	366.48	750.00	7.58	>
Silo Storage J	Silo J	aac	electronic ii	calli fillianol	72.70	-1-2		-		

Poise, ID 83706   Point Solity Name: Facility Name: Finth Facility   Point Facility ID No.: 011-00013   Point Facility ID No.: 011-00013   Point Source  Project Description: Tier II PTC application to modify boiler operations   Pacility ID No.: 011-00013   Point Source  Pacility ID No.: 011-00013   Pacility ID No.: 011-0		DEQ AIR QUALITY PROGRAM 1410 N. Hilton	ITY PROGRAI	M							i	
Company Name:         Idaho Supreme Potatoes, Inc.           Facility Name:         Firth Facility           Trail IPTC application to modify boiler operations           1.         2.         3a.         3b.         4.         5.           1.         2.         3a.         3b.         4.         5.           Point Suprise         Tier II PTC application to modify boiler operations         4.         5.           1.         2.         3a.         3b.         4.         5.           Acid Stack ID         UTM Easting (III)         UTM (IIII)         Implication (IIII)         Base stack (IIII)           FL2         See electronic modeling files         9.83           FL4         See electronic modeling files         9.83           FL4         See electronic modeling files         9.83           FL5         See electronic modeling files         9.83           FL9         See electronic modeling files         9.83           FL9         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83		Boise, ID 8370 For assistance	6 : (208) 373-050	12				PERM	IT TO CON	STRUCT	PERMIT TO CONSTRUCT APPLICATION	
Facility Name:         Firth Facility           Facility ID No.:         Or1-0x0013           Project Description:         Tier II PTC application to modify boiler operations           Project Description:         Tier II PTC application to modify boiler operations           FOINT SOURCE STACK PARAME           Project Description:         A. 5.           Stack ID (m)         UTM (m)         Stack (m)           FL1         See electronic modeling files (m)         9.83           FL4         See electronic modeling files (m)         9.83           FL9         See electronic modeling files (m)         9.83           FL9         See electronic modeling files (m)         9.83           FL9         See electronic modeling files (m)         9.83           FL9 <th colspa<="" td=""><td>Company Name:</td><td>Idaho Supreme</td><td>Potatoes, Inc.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>Company Name:</td> <td>Idaho Supreme</td> <td>Potatoes, Inc.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Company Name:	Idaho Supreme	Potatoes, Inc.								
Facility ID No.:   011-00013	Facility Name:	Firth Facility										
Tier II PTC application to modify boiler operations   Tier II PTC application to modify boiler operations	-	011-00013										
1. 2. 3a. 3b. 4. 5.  Stack ID   UTM Easting   UTM   Elevation   Height (m)		Tier II PTC app	lication to modi		itions							
1.   2.   3a.   3b.   4.   5.												
1.         2.         3a.         3b.         4.         5.           ions units         Base Stack ID (m)         UTM Easting (m)         Elevation (m)         Height (m)           ions units         FL1         See electronic modeling files 9.83           FL2         See electronic modeling files 9.83         9.83           FL4         See electronic modeling files 9.83         7.68           FL6         See electronic modeling files 8.29         8.29           FL8         See electronic modeling files 8.29         8.29           FL8         See electronic modeling files 8.29         8.29           FL9         See electronic modeling files 9.83         9.83           FL10         See electronic modeling files 9.83         9.83           FL11         See electronic modeling files 9.83         9.83           FL11         See electronic modeling files 9.83         9.83	日本 日			POINT SOL	IRCE STACE	K PARAME	TERS			日本の一本の日	日本 一十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	
Stack ID         UTM Easting (m) (m)         UTM (m) (m) (m)         UTM Easting (m) (m)         Elevation (m)         Height (m)           FL1         See electronic modeling files         9.83           FL2         See electronic modeling files         9.83           FL4         See electronic modeling files         9.83           FL5         See electronic modeling files         9.83           FL6         See electronic modeling files         8.29           FL         See electronic modeling files         8.29           FL         See electronic modeling files         8.29           FL         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83	1.	2.	3a.	3b.	4.	5.	.9	7.	8.	.6	10.	
FL1 See electronic modeling files 9.83 FL2 See electronic modeling files 9.83 FL4 See electronic modeling files 9.83 FL4 See electronic modeling files 7.68 FL5 See electronic modeling files 7.68 FL6 See electronic modeling files 8.29 FL7 See electronic modeling files 8.29 FL8 See electronic modeling files 9.83 FL9 See electronic modeling files 9.83 FL10 See electronic modeling files 9.83 FL11 See electronic modeling files 9.83 FL11 See electronic modeling files 9.83	Emissions units	Stack ID		UTM Northing (m)	Base Elevation (m)	Stack Height (m)	Modeled Diameter (m)	Stack Exit Temperature (K)	Stack Exit Flowrate (acfm)	Stack Exit Velocity (m/s)	Stack orientation (e.g., horizontal, rain cap)	
FL1         See electronic modeling files         9.83           FL2         See electronic modeling files         9.83           FL3         See electronic modeling files         9.83           FL4         See electronic modeling files         9.83           FL5         See electronic modeling files         7.68           FL6         See electronic modeling files         8.29           FL8         See electronic modeling files         8.29           FL9         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL12         See electronic modeling files         9.83	Source(s)		The state of the s		No. of Lot, Line o		The second	The state of the s	West Property		To the same	
FLZ         See electronic modeling files         9.83           FL3         See electronic modeling files         9.83           FL4         See electronic modeling files         9.83           FL5         See electronic modeling files         8.29           FL6         See electronic modeling files         8.29           FL8         See electronic modeling files         9.83           PL10         See electronic modeling files         9.83           PL11         See electronic modeling files         9.83           PL11         See electronic modeling files         9.83           PL12         See electronic modeling files         9.83           PL11         See electronic modeling files         9.83	r#1	FL1	See 6	ectronic mo	odeling files	9.83	1.14	293.00	9,935.00	16.10	>	
FL3         See electronic modeling files         9.83           FL4         See electronic modeling files         9.83           FL5         See electronic modeling files         7.68           FL6         See electronic modeling files         8.29           FL7         See electronic modeling files         8.29           FL9         See electronic modeling files         9.83           7         FL10         See electronic modeling files         9.83           8         FL11         See electronic modeling files         9.83           8         FL11         See electronic modeling files         9.83           9         FL11         See electronic modeling files         9.83	r #2	FL2	See	electronic mo	odeling files	9.83	1.14	293.00	9,935.00	16.10	>	
FL4         See electronic modeling files         9.83           FL5         See electronic modeling files         7.68           FL6         See electronic modeling files         8.29           FL7         See electronic modeling files         8.29           FL9         See electronic modeling files         9.83           PL10         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83	r#3	FL3	See	electronic mo	odeling files	9.83	1.14	293.00	9,935.00	16.10	>	
FL5         See electronic modeling files         7.68           FL6         See electronic modeling files         8.29           FL7         See electronic modeling files         8.29           FL8         See electronic modeling files         9.83           0         FL10         See electronic modeling files         9.83           1         FL11         See electronic modeling files         9.83           2         FL12         See electronic modeling files         9.83	r #4	FL4	See	electronic mo	odeling files	9.83	1.14	293.00	9,935.00	16.10	>	
FL6         See electronic modeling files         8.29           FL7         See electronic modeling files         8.29           FL8         See electronic modeling files         8.29           PL9         See electronic modeling files         9.83           PL10         See electronic modeling files         9.83           PL11         See electronic modeling files         9.83           PL12         See electronic modeling files         9.83	r#5	FL5	See	electronic ma	odeling files	7.68	0.63	293.00	10,333.00	15.64	>	
FL7         See electronic modeling files         8.29           FL8         See electronic modeling files         8.29           FL9         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL12         See electronic modeling files         9.83	1#6	FL6	See	electronic ma	odeling files	8.29	0.76	293.00	10,793.00	11.00	>	
FL8         See electronic modeling files         8.29           FL9         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL12         See electronic modeling files         9.83	L#7	FL7	See	electronic m	odeling files	8.29	0.76	293.00	10,793.00	11.00	>	
FL9         See electronic modeling files         9.83           FL10         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL12         See electronic modeling files         9.83	8#J	FL8	See	electronic m	odeling files	8.29	0.76	293.00	10,793.00	11.00	>	
FL10         See electronic modeling files         9.83           FL11         See electronic modeling files         9.83           FL12         See electronic modeling files         9.83	6# J	FL9	See	electronic m	odeling files	9.83	0.61	293.00	10,793.00	16.00	>	
FL11 See electronic modeling files 9.83 FL12 See electronic modeling files 9.83	r #10	FL10	See	electronic m	odeling files	9.83	0.61	293.00	10,793.00	16.00	>	
FL12 See electronic modeling files 9.83	r #11	FL11	See	electronic m	odeling files	9.83	0.61	293.00	10,793.00	16.00	>	
	r #12	FL12	See	electronic m	odeling files	9.83	0.61	293.00	10,793.00	16.00	>	

Company Name	1410 N. Hilton Boise, ID 83706 For assistance:	DEQ AIR QUALITY PROGRAM 1410 N. Hilton Boise, ID 83706 For assistance: (208) 373-0502	(5,00) AND				PERM	IT TO CON	PERMIT TO CONSTRUCT APPLICATION	LICATION
	Idaho Supreme Potatoes, Inc	Potatoes, Inc.								
Cocility Name.					Firth	Firth Facility				
Facility ID No .					110	011-00013				
Brief Project Description:	Tier II PTC app	Tier II PTC application to modify boiler operations	boiler operations	10						
										The same
THE REAL PROPERTY AND ADDRESS OF			FUGITIVE	SOURCE PA	SOURCE PARAMETERS	s o			Service Contract	
-1	2	3a.	3b.	4.	5.	.9	7.	8.	6	10.
Fmissions units	Stack ID	ting	UTM Northing (m)	Base Elevation (m)	Release Height (m)	Easterly Length (m)	Northerly Length (m)	Angle from North (°)	Initial Vertical Dimension (m)	Initial Horizontal Dimension (m)
Area Source(s)		The state of the s	Distance of the last						A THE PERSON	
Volume Source(s)	No. of the last	10000000000000000000000000000000000000					South States		02.1	20.40
Space Heater S	SRC1	S	See electronic modeling files	modeling files	-11-11				0.00	90.4
Space Heater N	SRC2	S	See electronic modeling files	modeling files					5.58	30.40
Space Heater E	SRC3	S	See electronic modeling files	modeling files	25.00				5.58	
Space Heater W	SRC4	S	See electronic r	ectronic modeling files	25.00				5.58	30.40
(Aalg Fyncpropagages lebbed)										

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton Boise, ID 83706 For assistance: (208) 373-0502	ALITY PRO n 706 ce: (208) 37	GRAM 3-0502			PERMIT TO CONSTRUCT APPLICATION
Company Name:	Idaho Supreme Potatoes, Inc.	ne Potatoes,	Inc.			
Facility Name:					Firth Facility	Á
Facility ID No.:					011-00013	3
100.00	Tier II PTC a	oplication to	Tier II PTC application to modify boiler operations	erations		
STATE OF STA		B	<b>BUILDING AND</b>	STRUCTUR	ING AND STRUCTURE INFORMATION	N
1.	2.	3.	4.	5.	6.	7.
Building ID Number	Length (ft)	Width (ft)	Base Elevation (m)	Building Height (m)	Number of Tiers	Description/Comments
Building #1	312.00	55.00	1392.60	6.25	1	Storage Building 1
Building #1A	312.00	55.00	1392.60	6.25	l e	Storage Building 1A
Building #2	200.00	150.00	1392.60	6.40	1	1 Barn
Building #3	100.00	70.00	1392.60	7.30	7	1 Shed
Building #4	224.00	122.00	1392.60	6.71	1	1 North Support
S-1	Circular	30.00	1392.90	19.51	7	1 Silo A
S-2	Circular	30.00	1392.90	19.51	1	Silo B
S-3	Circular	30.00	1392.90	19.51	1	Silo C
S-4	Circular	30.00	1392.90	19.51	1	SiloD
S-5	Circular	30.00	1392.90	19.51	1	1 Silo E
S-6	Circular	30.00	1392.90	19.51	1	1 Silo F
S-7	Circular	30.00	1392.90	19.51	1	Silo G
8-8	Circular	30.00	1392.90	19.51	1	Silo H
6-8	Circular	30.00	1392.90	19.51	1	SiloI
S-10	Circular	30.00	1392.90	19.51	1	SiloJ
Tank	Circular	30.00	1392.90	6.71	1	Tank 7
Building #6	820.00	420.00	1392.90	6.71	1	Processing Building
Building #8	26.00	20.00	1392.90	6.71	1	1 Boiler Room
Building #9	173.00	77.00	1392.60	6.71	1	1 Building 9